

Daily Summary Report

Site: ORNL Sodar

12/3/2019

Interval: 015m

| | 03_WS060m | 04_WD060m | 05_WS100m | 06_WD100m | 07_WS140m | 08_WD140m | 09_WS180m | 10_WD180m | 11_WS240m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG | KPH | DEG | M/SEC | DEG | M/SEC |
| 00:00 | .3 | 354.0 | .6 | 300.0 | 1.3 | 297.0 | 2.3 | 303.0 | 3.0 |
| 00:15 | .3 | 359.0 | .5 | 284.2 | 1.0 | 285.1 | 1.8 | 292.4 | 2.5 |
| 00:30 | .4 | 25.0 | .6 | 286.5 | .9 | 284.8 | 1.5 | 286.9 | 2.0 |
| 00:45 | .4 | 27.7 | .8 | 287.6 | 1.5 | 287.6 | 2.1 | 294.1 | 2.3 |
| 01:00 | .4 | 7.6 | 1.0 | 285.7 | 2.2 | 297.2 | 2.9 | 302.4 | 2.7 |
| 01:15 | .4 | 2.8 | .8 | 291.4 | 2.3 | 303.1 | 2.9 | 308.9 | 2.6 |
| 01:30 | .3 | 8.1 | .8 | 287.5 | 2.0 | 297.9 | 2.6 | 309.5 | 2.5 |
| 01:45 | .3 | 10.3 | 1.0 | 283.5 | 2.1 | 291.4 | 2.8 | 299.0 | 2.5 |
| 02:00 | .3 | 348.5 | 1.1 | 277.4 | 2.6 | 284.1 | 3.5 | 293.0 | 3.3 |
| 02:15 | .4 | 325.1 | 1.2 | 275.6 | 2.5 | 282.2 | 3.8 | 292.1 | 4.0 |
| 02:30 | .4 | 327.3 | .9 | 279.5 | 1.9 | 283.0 | 2.9 | 288.6 | 3.8 |
| 02:45 | .3 | 328.7 | 1.0 | 278.7 | 1.6 | 285.6 | 2.2 | 290.1 | 3.2 |
| 03:00 | .3 | 313.7 | .8 | 283.9 | 1.2 | 295.0 | 1.8 | 291.9 | 1.8 |
| 03:15 | .2 | 337.9 | .3 | 307.4 | .9 | 304.6 | 1.3 | 296.3 | .7 |
| 03:30 | .3 | 33.0 | .2 | 287.8 | 1.0 | 303.4 | 1.3 | 305.1 | 1.2 |
| 03:45 | .4 | 56.4 | .2 | 281.6 | .9 | 295.1 | 1.5 | 295.8 | 1.6 |
| 04:00 | .5 | 57.6 | .2 | 293.5 | .6 | 293.4 | 1.1 | 304.2 | 1.3 |
| 04:15 | .5 | 49.8 | .1 | 274.1 | .4 | 298.8 | .9 | 329.3 | 1.2 |
| 04:30 | .5 | 47.5 | .3 | 305.1 | .9 | 295.2 | 1.2 | 320.0 | 1.0 |
| 04:45 | .5 | 46.0 | .6 | 299.1 | 1.2 | 292.7 | 1.1 | 306.7 | .7 |
| 05:00 | .5 | 40.9 | .9 | 299.7 | .8 | 293.4 | .6 | 302.3 | .2 |
| 05:15 | .5 | 33.7 | .9 | 302.1 | .6 | 302.2 | .3 | 323.9 | .2 |
| 05:30 | .4 | 27.6 | .8 | 315.7 | .7 | 333.6 | .4 | 332.1 | .3 |
| 05:45 | .4 | 33.4 | .7 | 324.4 | .8 | 340.0 | .7 | 344.3 | .4 |
| 06:00 | .4 | 34.6 | .5 | 328.1 | .7 | 338.9 | .7 | 357.2 | .4 |
| 06:15 | .3 | 21.1 | .2 | 338.0 | .6 | 340.0 | .4 | 6.8 | .6 |
| 06:30 | .3 | 25.8 | .3 | 324.9 | .6 | 340.2 | .2 | 321.1 | .7 |
| 06:45 | .3 | 24.5 | .3 | 339.4 | .5 | 352.1 | .1 | 59.4 | .7 |
| 07:00 | .3 | 17.5 | .1 | .8 | .4 | 344.9 | .4 | 82.0 | .8 |
| 07:15 | .3 | 31.0 | .3 | 334.7 | .2 | 19.6 | .2 | 90.4 | .6 |
| 07:30 | .4 | 46.4 | .3 | 343.5 | .2 | 67.2 | .2 | 95.6 | .3 |
| 07:45 | .3 | 61.3 | .2 | 340.5 | .1 | 54.8 | .1 | 339.3 | .3 |
| 08:00 | .2 | 75.7 | .4 | 307.6 | .3 | 343.5 | .2 | 313.1 | .2 |
| 08:15 | .2 | 50.3 | .4 | 297.4 | .3 | 321.6 | .3 | 290.3 | .2 |
| 08:30 | .3 | 51.9 | .4 | 290.4 | .2 | 301.1 | .2 | 260.1 | .3 |
| 08:45 | .3 | 40.9 | .6 | 282.9 | .2 | 296.5 | .2 | 284.8 | .6 |
| 09:00 | .2 | 328.7 | .8 | 283.4 | .4 | 288.4 | .4 | 292.9 | .4 |
| 09:15 | .2 | 306.3 | .8 | 287.8 | .4 | 269.7 | .2 | 281.7 | .6 |
| 09:30 | .2 | 324.2 | .2 | 296.6 | .3 | 238.3 | .2 | 162.0 | .5 |
| 09:45 | .3 | 347.5 | .3 | 336.6 | .4 | 278.6 | .4 | 238.2 | .2 |
| 10:00 | .3 | 346.6 | .3 | 293.0 | .4 | 274.7 | .3 | 264.5 | .4 |
| 10:15 | .4 | 29.9 | .3 | 221.9 | .4 | 262.3 | .5 | 274.1 | .1 |
| 10:30 | .3 | 26.8 | .5 | 299.9 | .9 | 287.7 | .9 | 278.6 | .6 |
| 10:45 | .3 | 340.5 | .9 | 267.8 | 1.1 | 277.1 | 1.1 | 274.1 | .9 |
| 11:00 | .1 | 331.7 | 1.3 | 236.3 | 1.4 | 267.3 | 1.7 | 274.7 | 1.4 |
| 11:15 | .4 | 252.0 | 1.1 | 251.8 | 2.0 | 275.0 | 2.2 | 277.6 | 1.8 |
| 11:30 | .4 | 282.9 | 1.1 | 294.1 | 1.8 | 284.2 | 1.9 | 277.2 | 1.2 |
| 11:45 | .5 | 299.3 | 1.1 | 295.1 | 1.5 | 278.7 | 1.7 | 268.4 | 1.4 |
| 12:00 | 1.2 | 271.4 | 1.6 | 245.0 | 2.2 | 247.3 | 2.7 | 245.5 | 3.1 |
| 12:15 | 1.1 | 258.5 | 2.3 | 228.5 | 2.6 | 233.8 | 2.9 | 238.0 | 3.2 |
| 12:30 | .8 | 231.3 | 2.1 | 233.7 | 2.3 | 230.8 | 2.6 | 239.6 | 2.5 |

Daily Summary Report

Site: ORNL Sodar

12/3/2019

Interval: 015m

| | 12_WD240m | 13_WS300m | 14_WD300m | 15_WS400m | 16_WD400m | 17_WS500m | 18_WD500m | 19_WS600m | 20_WD600m |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG | M/SEC | DEG |
| 00:00 | 319.0 | 3.2 | 336.0 | 4.0 | 351.0 | 4.0 | 354.0 | 3.8 | 358.0 |
| 00:15 | 314.9 | 2.7 | 333.7 | 3.3 | 350.5 | 3.2 | 354.1 | 3.9 | 357.7 |
| 00:30 | 311.4 | 2.2 | 328.7 | 2.9 | 352.2 | 3.0 | 357.4 | 3.4 | 2.7 |
| 00:45 | 312.4 | 2.6 | 329.1 | 3.3 | 351.6 | 3.3 | 358.6 | 3.6 | 7.8 |
| 01:00 | 312.1 | 2.6 | 332.6 | 3.4 | 349.6 | 3.5 | .8 | 3.8 | 4.5 |
| 01:15 | 317.2 | 2.4 | 335.6 | 2.5 | 349.2 | 2.3 | 355.0 | 2.9 | 1.9 |
| 01:30 | 322.5 | 2.7 | 337.0 | 1.1 | 356.6 | .5 | 332.9 | 2.2 | 359.0 |
| 01:45 | 316.4 | 2.7 | 332.8 | 1.3 | 339.1 | .3 | 318.9 | 1.6 | 358.0 |
| 02:00 | 306.7 | 2.9 | 320.9 | 3.1 | 328.2 | 2.3 | 304.1 | 2.8 | 316.9 |
| 02:15 | 301.8 | 4.1 | 309.2 | 4.5 | 317.0 | 4.3 | 303.7 | 4.0 | 297.0 |
| 02:30 | 299.2 | 4.7 | 305.7 | 5.6 | 310.0 | 5.0 | 310.8 | 3.5 | 295.4 |
| 02:45 | 297.5 | 4.4 | 306.3 | 5.8 | 312.5 | 5.0 | 315.4 | 3.6 | 297.0 |
| 03:00 | 301.6 | 2.8 | 306.1 | 5.4 | 306.7 | 4.5 | 308.8 | 4.0 | 294.3 |
| 03:15 | 312.1 | 1.5 | 327.3 | 4.2 | 307.3 | 4.3 | 317.2 | 3.8 | 313.6 |
| 03:30 | 302.2 | 2.1 | 326.6 | 3.8 | 328.4 | 3.8 | 337.9 | 3.4 | 342.7 |
| 03:45 | 298.9 | 1.9 | 311.9 | 3.4 | 335.1 | 2.5 | 335.1 | 2.7 | 342.4 |
| 04:00 | 321.8 | 1.1 | 306.0 | 2.2 | 335.6 | 1.1 | 308.0 | 1.3 | 341.5 |
| 04:15 | 344.0 | .4 | 311.8 | 1.9 | 342.0 | .8 | 296.4 | .9 | 344.7 |
| 04:30 | 340.4 | .4 | 345.4 | 1.5 | 345.0 | .4 | 155.2 | | |
| 04:45 | 333.9 | .8 | 350.3 | 1.1 | 348.3 | .3 | 122.0 | | |
| 05:00 | 349.6 | .8 | 338.2 | 1.6 | 333.1 | .6 | 343.0 | | |
| 05:15 | 35.7 | .4 | 336.0 | 1.8 | 343.6 | | | | |
| 05:30 | 1.6 | .2 | 46.4 | .4 | 295.1 | | | | |
| 05:45 | 353.6 | .2 | 333.0 | | | | | | |
| 06:00 | 16.4 | .3 | 338.2 | | | | | | |
| 06:15 | 59.0 | .8 | 82.0 | | | | | | |
| 06:30 | 63.4 | .4 | 102.3 | | | | | | |
| 06:45 | 87.3 | .6 | 89.3 | | | | | | |
| 07:00 | 71.0 | 1.7 | 91.4 | | | | | | |
| 07:15 | 63.2 | .9 | 93.2 | | | | | | |
| 07:30 | 87.8 | .4 | 71.7 | | | | | | |
| 07:45 | 61.0 | .2 | 78.8 | | | | | | |
| 08:00 | 128.2 | .2 | 97.1 | | | | | | |
| 08:15 | 154.2 | .7 | 94.7 | | | | | | |
| 08:30 | 226.8 | .8 | 70.6 | | | | | | |
| 08:45 | 238.9 | .3 | 5.4 | | | | | | |
| 09:00 | 228.0 | .0 | 125.6 | | | | | | |
| 09:15 | 228.1 | .4 | 151.0 | | | | | | |
| 09:30 | 212.6 | .5 | 187.6 | | | | | | |
| 09:45 | 155.5 | .4 | 251.3 | | | | | | |
| 10:00 | 142.4 | .2 | 212.9 | | | | | | |
| 10:15 | 206.7 | .3 | 267.3 | 1.0 | 337.0 | | | | |
| 10:30 | 289.3 | .6 | 297.3 | .8 | 327.1 | .7 | 281.0 | | |
| 10:45 | 279.1 | .8 | 274.8 | 1.0 | 276.9 | .2 | 309.9 | | |
| 11:00 | 277.3 | 1.5 | 260.7 | 2.6 | 268.8 | | | | |
| 11:15 | 280.8 | 1.6 | 276.5 | 2.9 | 269.1 | | | | |
| 11:30 | 290.1 | 1.1 | 283.1 | 1.4 | 261.0 | | | | |
| 11:45 | 263.4 | 1.5 | 259.6 | 1.8 | 253.6 | .7 | 265.7 | | |
| 12:00 | 250.2 | 2.5 | 247.1 | 2.3 | 250.0 | 2.0 | 263.0 | | |
| 12:15 | 248.8 | 2.7 | 244.4 | 2.7 | 248.1 | 3.0 | 260.0 | | |
| 12:30 | 245.7 | 2.6 | 249.1 | 3.5 | 260.1 | 4.1 | 258.4 | | |

Daily Summary Report

Site: ORNL Sodar

12/3/2019

Interval: 015m

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-------|-----------|-----------|-----------|-----------|
| Time | M/SEC | DEG | M/SEC | DEG |
| 00:00 | 4.0 | 350.0 | | |
| 00:15 | 4.2 | 358.4 | | |
| 00:30 | 3.9 | 355.0 | | |
| 00:45 | 3.6 | 352.0 | | |
| 01:00 | 3.0 | 350.0 | | |
| 01:15 | 2.7 | 347.0 | | |
| 01:30 | 2.4 | 343.0 | | |
| 01:45 | 1.8 | 340.4 | | |
| 02:00 | 2.5 | 297.6 | | |
| 02:15 | 3.5 | 277.1 | | |
| 02:30 | 3.3 | 285.0 | | |
| 02:45 | 3.1 | 293.1 | | |
| 03:00 | 2.5 | 285.6 | | |
| 03:15 | 2.7 | 336.3 | | |
| 03:30 | 2.9 | 346.5 | | |
| 03:45 | 2.3 | 336.8 | | |
| 04:00 | 1.9 | 323.0 | | |
| 04:15 | | | | |
| 04:30 | | | | |
| 04:45 | | | | |
| 05:00 | | | | |
| 05:15 | | | | |
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| 11:45 | | | | |
| 12:00 | | | | |
| 12:15 | | | | |
| 12:30 | | | | |

| | 21_WS700m | 22_WD700m | 23_WS800m | 24_WD800m |
|-----------------|--------------|--------------|--------------|--------------|
| Time | M/SEC | DEG | M/SEC | DEG |
| 12:45 | | | | |
| 13:00 | | | | |
| 13:15 | | | | |
| 13:30 | | | | |
| 13:45 | | | | |
| 14:00 | | | | |
| 14:15 | | | | |
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| 14:45 | | | | |
| 15:00 | | | | |
| 15:15 | | | | |
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| 18:45 | | | | |
| 19:00 | | | | |
| 19:15 | | | | |
| 19:30 | | | | |
| 19:45 | | | | |
| 20:00 | | | | |
| 20:15 | | | | |
| 20:30 | | | | |
| 20:45 | | | | |
| 21:00 | 5.7 | 274.4 | | |
| 21:15 | 7.0 | 271.2 | | |
| 21:30 | 8.4 | 268.2 | 9.4 | 270.0 |
| 21:45 | 10.3 | 273.3 | 10.5 | 275.0 |
| 22:00 | 11.1 | 271.4 | 11.5 | 277.0 |
| 22:15 | 10.3 | 273.3 | 11.0 | 275.0 |
| 22:30 | 10.2 | 273.0 | 10.7 | 277.0 |
| 22:45 | 10.1 | 272.6 | 10.5 | 276.0 |
| 23:00 | 12.3 | 278.7 | 12.9 | 280.0 |
| 23:15 | 13.2 | 279.1 | 13.5 | 283.0 |
| 23:30 | 12.8 | 281.2 | 13.2 | 285.0 |
| 23:45 | 11.9 | 281.2 | 12.5 | 285.0 |
| Avg | 6.0 | 305.0 | 11.6 | 278.0 |
| Max | 13.2 | 358.4 | 13.5 | 285.0 |
| Max Time | 23:15 | 00:15 | 23:15 | 23:45 |
| Min | 1.8 | 268.2 | 9.4 | 270.0 |
| Count | 29 | 29 | 10 | 10 |
| Total | | | | |